



2818

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Leonard Forbes et al.
Title: PROGRAMMABLE ARRAY LOGIC OR MEMORY DEVICES WITH ASYMMETRICAL TUNNEL BARRIERS
Docket No.: 1303.020US1 Serial No.: 09/943,134
Filed: August 30, 2001 Due Date: N/A
Examiner: Gross, A. (JUL 16 2012)

Commissioner for Patents
Washington, D.C. 20231

We are transmitting herewith the following attached items (as indicated with an "X"):

A return postcard.

An Information Disclosure Statement (1 pg.), Form 1449 (3 pgs.), and copies of 41 cited references.

A Communication Concerning Co-Pending Applications (2 pgs.).

Copies of Co-Pending Applications (9 copies.).

Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: Edward J. Brooks, III
Atty: Edward J. Brooks, III
Reg. No. 40,925

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on this 17 day of June, 2002.

Name

Gina M. Uphus

Signature

Customer Number 21186

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
(G)

P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)
(L)

S/N 09/943,134

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Leonard Forbes et al.

Examiner:

Serial No.: 09/943,134

Group Art Unit: 2818

Filed: August 30, 2001

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Title:

PROGRAMMABLE ARRAY LOGIC OR MEMORY DEVICES WITH
ASYMMETRICAL TUNNEL BARRIERS

O I P E
JUN 21 2002
P A T E N T & T R A D E M A R K O F F I C E
Assistant Commissioner for Patents
Washington, D.C. 20231

44-1 DS
J. Murphy
6-2708

INFORMATION DISCLOSURE STATEMENT

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. § 1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Account No. 19-0743 in order to have this Information Disclosure Statement considered.

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

LEONARD FORBES ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTKE P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6913

Date 6/13/02 By E. J. Brooks, III

Edward J. Brooks, III
Reg. No. 40,925

JUN 25 2002
TC 2800 MAIL ROOM

RECEIVED

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Gina M. Uphus

Name

Signature

Gina M. Uphus

PATENT

S/N 09/943,134

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Leonard Forbes et al.

Examiner: **RECEIVED**

Serial No.: 09/943,134

Group Art Unit: 2818

Filed: August 30, 2001

Docket: 1303.020US1 JUN 25 2002

Title:

PROGRAMMABLE ARRAY LOGIC OR MEMORY DEVICES WITH ROOM
ASYMMETRICAL TUNNEL BARRIERS



COMMUNICATION CONCERNING CO-PENDING APPLICATION(S)

Commissioner for Patents
Washington, D.C. 20231

Noted, RL

11/18/02

Applicant would like to bring to the Examiner's attention the following related co-pending application(s) in the above-identified patent application:

Serial No. Filing Date Attorney Docket
10/028,001 12/20/2001 01303.035US1

By phone, Res. mailed

Title
PROGRAMMABLE ARRAY LOGIC OR
MEMORY WITH P-CHANNEL DEVICES
AND ASYMMETRICAL TUNNEL
BARRIERS

10/081,818 02/20/2002 01303.045US1

phone, Res. mailed

ATOMIC LAYER DEPOSITION OF
METAL OXIDE AND/OR LOW
ASYMMETRICAL TUNNEL BARRIER
INTERPOLY INSULATORS

09/945,554 08/30/2001 01303.028US1

Tom Dirksen, Res. mailed

SRAM CELLS WITH REPRESSED
FLOATING GATE MEMORY, LOW
TUNNEL BARRIER INTERPOLY
INSULATORS

09/945,498 08/30/2001 01303.024US1

By phone, Res. mailed

DEAPROM WITH INSULATING METAL
OXIDE INTERPOLY INSULATORS

09/945,512 08/30/2001 01303.027US1

Ricardo S. Bento, Res. mailed

IN SERVICE PROGRAMMABLE LOGIC
ARRAYS WITH LOW TUNNEL
BARRIER INTERPOLY INSULATORS



COMMUNICATION CONCERNING CO-PENDING APPLICATIONS
Serial Number: 09/943,134
Filing Date: August 30, 2001
Title: PROGRAMMABLE ARRAY LOGIC OR MEMORY DEVICES WITH ASYMMETRICAL TUNNEL BARRIERS

Page 2
Dkt: 1303.020US1

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09/945,500 08/30/2001 01303.029US1

phony, Rest. mailed

09/945,507 08/30/2001 01303.014US1

Son Ding, new

09/945,514 08/30/2001 01303.015US1

*Victor Mandala, Rest.
Non Final*

09/945,395 08/30/2001 01303.019US1

John Hur, non-final

PROGRAMMABLE MEMORY ADDRESS
AND DECODE CIRCUITS WITH LOW ^{JUN 25 2002}
TUNNEL BARRIER INTERPOLY MAIL ROOM
INSULATORS

FLASH MEMORY WITH LOW TUNNEL
BARRIER INTERPOLY INSULATORS

GRADED COMPOSITION GATE
INSULATORS TO REDUCE TUNNELING
BARRIERS IN FLASH MEMORY
DEVICES

DRAM CELLS WITH REPRESSED
FLOATING GATE MEMORY, LOW
TUNNEL BARRIER INTERPOLY
INSULATORS

Respectfully submitted,

LEONARD FORBES ET AL.

By Applicant's Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6913

Date 6/13/02

By


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Glenn M. Ihmhus

Name _____

Signature _____

Glenn M. Ihmhus